

## APPENDIX G

# GUNNER'S PERFORMANCE TEST

*The trainer sets up the equipment mentioned in the conditions statement, and provides the student with information IAW the evaluation preparation. This appendix lists tasks, conditions, and standards for the gunner's performance test.*

### G-1. EVALUATION PREPARATION

The trainer tells each student that he will be required to perform without error all the actions to complete each task being tested.

### G-2. TEST ADMINISTRATION

The trainer administers the tests and completes a scorecard for each student.

a. Destroy or recycle any copies of the 1990 edition of DA Form 4242-1-R, Dragon Performance Scorecard--they are obsolete. Copy the new, blank, reproducible DA Form 4242-1-R from the back of this manual onto 8 1/2 by 11-inch paper. Soon after the publication of this manual, those with Internet access should be able to download an electronic copy of the revised blank DA Form 4242-1-R from the USAPA web site. Figure G-1 shows an example of the completed form. Instructions for completing it follow:

- (1) **LAST NAME.** Write student's last name.
- (2) **FIRST NAME.** Write student's first name.
- (3) **MI.** Write student's middle initial.
- (4) **SSN.** Write student's social security number.
- (5) **RANK.** Write student's rank.
- (6) **UNIT.** Write student's unit.
- (7) **TEST DATE.** For student's first test, mark the GO or NO-GO column for the appropriate training objective.
- (8) **RETEST DATES.** For student's second and third tests, mark the GO or NO-GO column for the appropriate training objective.
- (9) **REMARKS.** Write your comments about the student's performance.
- (10) **QUALIFIED.** Check this column when the student qualifies.
- (11) **UNQUALIFIED.** Check this column if the student fails to qualify on the first test or either retest. If the student gets three checks in this column, he fails to qualify on the weapon.
- (12) **INSTRUCTOR'S SIGNATURE.** Sign here for each test that you score.
  - b. Record results on the Dragon scorecard.
  - c. Provide added training on each task failed, and retest each failed task twice.
  - d. Eliminate students who fail any task after three tries.
  - e. Substitute an FHT wherever a task states to use a round.

### G-3. TRAINING OBJECTIVES

Training objectives begin on the page that follows Figure G-1.

- a. Training Objective 1, Maintain the M47 Medium Antitank Weapon, page G-3.
- b. Training Objective 2, Prepare the M47 for Firing, page G-5.
- c. Training Objective 3, Restore the M47 to Carrying Configuration, page G-6.
- d. Training Objective 4, Demonstrate Correct Firing Positions, page G-7.
- e. Training Objective 5, Determine If Targets Are Engageable, page G-8.
- f. Training Objective 6, Perform Immediate-Action Procedures, page G-9.
- g. Training Objective 7, Prepare an Antiarmor Range Card, page G-11.
- h. Training Objective 8, Identify the Six Major Components of an M47 Fighting Position, page G-12.
- I. Training Objective 9, Identify Armored Vehicles, page G-13.
- j. Training Objective 10, Explain Emergency Destruction Procedures, page G-14.
- k. Training Objective 11, Explain Emergency Decontamination Procedures, page G-15.

<b>DRAGON PERFORMANCE SCORECARD</b> <small>For use of this form see FM 3-23.24 (FM 23-24), the proponent agency is TRADOC.</small>									
<small>DATA REQUIRED BY PRIVACY ACT OF 1974. AUTHORITY: 10 USC 3012(g)/Executive Order 9397. PRINCIPLE PURPOSE(S): Aids in individual training on targets at various ranges. ROUTINE USE(S): To evaluate individual proficiency. SSN used for positive identification purposes only. MANDATORY OR VOLUNTARY DISCLOSURE AND EFFECT ON INDIVIDUAL NOT PROVIDING INFORMATION: Voluntary. Individuals not providing information cannot be rated or scored on a mass basis.</small>				TEST		RETEST		RETEST	
LAST NAME	FIRST NAME	MI	UNIT	SSN	RANK	DATE (YYYYMMDD)	DATE (YYYYMMDD)	DATE (YYYYMMDD)	
Frost	Martin	W	2-29 IN	431-19-4824	PV2	20011206	20011207		
						GO	NO-GO	GO	NO-GO
1. Maintain the M47 medium antitank weapon.						X			
2. Prepare the M47 for firing.						X			
3. Restore the M47 to carrying configuration.						X			
4. Demonstrate correct firing positions.						X			
5. Determine if targets are engageable.						X			
6. Perform immediate-action procedures.						X			
7. Prepare an antiarmor range card.						X			
8. Identify the six major components of an M47 firing position.							X	X	
9. Identify armored vehicles.							X	X	
10. Explain emergency destruction procedures.						X			
11. Explain emergency decontamination procedures.						X			
<b>NOTES:</b> 1. The instructor and Dragon gunners must pass all tasks. 2. A soldier eliminates himself from training if, after three tries – the initial test and two retests – he still fails to meet the performance standards on any task. 3. The instructor scores each test by initialing in the GO or NO-GO columns for that test. 4. After each test, the instructor initials below the GO-NO GO columns in either the "qualified" or "unqualified" block. 5. After the soldier either qualifies or fails to qualify after three tries, the instructor prints and signs his own name in the lower righthand corner of this scorecard.						<b>UNQUALIFIED</b> (INSTRUCTOR'S INITIALS) JT			
						<b>QUALIFIED</b> (INSTRUCTOR'S INITIALS) JT			
<b>REMARKS:</b>						<b>INSTRUCTOR'S NAME (PRINT)</b> SSG Jon Flores			
						<b>INSTRUCTOR'S SIGNATURE</b> SSG Jon Flores			

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**Figure G-1. Example completed DA Form 4242-1-R, Dragon Performance Scorecard.**

**Conditions.** Given Dragon sights and a round of ammunition.

### Evaluation Preparation.

*Answer the student's questions.* If the student still does not understand, say, "Do the best you can."

**WARNING**  
Never perform a preoperational check on a Dragon sight while you still have it mated to a round of ammunition.

**GO    NO-GO    NO-GO    NO-GO**

- |  |  |  |  |
|--|--|--|--|
|  |  |  |  |
|--|--|--|--|

**Performance Measures**

GO NO-GO NO-GO NO-GO

7. **Daysight.** Cleaned the lenses.
8. **Actuator switch.**
  - a. Rotated the switch to AIR-BATT check.
  - b. Checked the coolant gauge (2,500 PSI).
  - c. Checked the battery monitor on the coolant cartridge.
  - d. Ensured the reticles were illuminated.
  - e. Rotated the actuator switch to the ON position.
  - f. Waited 15 seconds.
  - g. Removed the lens cover.
9. **Infrared contrast.**
  - a. Selected an object with infrared contrast.
  - b. Adjusted the reticle focus.
  - c. Adjusted brightness.
  - d. Adjusted contrast.
  - e. Adjusted range focus.
  - f. Rotated the actuator switch to the OFF-LOCK position.
  - g. Did not turn the actuator switch to the RELEASE position.
  - h. Replaced the lens cover.
10. **Ammunition round.**
  - a. Checked the exterior for dirt, oil, and grease.
  - b. Checked the exterior for dents, holes, and punctures.
11. **Raceway.** Ensured raceway was not damaged.

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**Signature Block**

INSTRUCTOR'S SIGNATURE: \_\_\_\_\_

STUDENT'S INITIALS: GO \_\_\_\_\_

NO-GO \_\_\_\_\_

NO-GO \_\_\_\_\_

NO-GO \_\_\_\_\_

## TRAINING OBJECTIVE 2 PREPARE THE M47 FOR FIRING

**Conditions.** Given a Dragon sight in the carrying bag and a round of ammunition in the carrying configuration.

**Standards.** Mate the sight to the round of ammunition IAW the performance measures described herein.

### Evaluation Preparation.

*Brief student.* “When I say ‘Begin,’ you are to prepare the Dragon for firing by mating the sight to the round of ammunition. Do you have any questions?”

*Answer the student’s questions.* If the student still does not understand, say, “Do the best you can.”

### Performance Measures

1. **Prepared the round.**
  - a. Unsnapped bipod-retaining strap.
  - b. Lowered bipod to vertical-lock position. (Shook bipod and ensured it was locked.)
  - c. Depressed friction lock and extended legs about halfway down.
  - d. Removed the electrical connector cover from the round.
2. **Prepared the daysight.**
  - a. Removed the sight properly.
  - b. Removed electrical connector cover.
  - c. Checked lenses.
3. **Mated the sight to the round.**
  - a. Aligned the guide pins with the sight support assembly and locked the sight in place. (Shook sight to ensure it was locked.)
  - b. Leveled sight picture. (Adjusted the bipod friction lock and the adjusted the foot.)

GO    NO-GO    NO-GO    NO-GO

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### Signature Block

INSTRUCTOR'S SIGNATURE: \_\_\_\_\_

STUDENT'S INITIALS: GO \_\_\_\_\_

NO-GO \_\_\_\_\_

NO-GO \_\_\_\_\_

NO-GO \_\_\_\_\_

**TRAINING OBJECTIVE 3**  
**RESTORE THE M47 TO CARRYING CONFIGURATION**

**Conditions.** Given a Dragon sight, carrying bag, and round of ammunition.

**Standards.** Properly return the sight and round to the carrying configuration without damaging the equipment.

**Evaluation Preparation.**

*Brief student.* “When I say ‘begin,’ you will restore the Dragon to the carrying configuration. Do you have any questions?”

*Answer the student’s questions.* If the student still does not understand, say, “Do the best you can.”

**Performance Measures**

	GO	NO-GO	NO-GO	NO-GO
1. <b>Removed and stored the sight.</b>				
a. Released the spring clip.				
b. Removed from support assembly.				
c. Removed the sight.				
d. Replaced the lens cover.				
e. Replaced electrical cover.				
f. Placed sight in the carrying bag.				
2. <b>Restored the round of ammunition.</b>				
a. Replaced the connector cover.				
b. Collapsed the bipod legs.				
c. Replaced the shock absorber.				
d. Secured legs to the round.				

**Signature Block**

INSTRUCTOR'S SIGNATURE: \_\_\_\_\_

STUDENT'S INITIALS: GO \_\_\_\_\_

NO-GO \_\_\_\_\_

NO-GO \_\_\_\_\_

NO-GO \_\_\_\_\_



**Performance Measures**

GO NO-GO NO-GO NO-GO

b. Placed the bipod well out in front and removed slack from the bipod by rocking backward. Tried to sit on heels.

c. Rotated head and right eye as in the sitting position.

d. Placed hand and elbows the same as in the sitting position.

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**Signature Block**

INSTRUCTOR'S SIGNATURE: \_\_\_\_\_

STUDENT'S INITIALS: GO \_\_\_\_\_

NO-GO \_\_\_\_\_

NO-GO \_\_\_\_\_

NO-GO \_\_\_\_\_

**TRAINING OBJECTIVE 5**  
**DETERMINE IF TARGETS ARE ENGAGEABLE**

**Conditions.** Given a Dragon sight mated to a round of ammunition and targets (scale or actual targets).

**Standards.** Correctly determine if three targets are in range and engageable.

**Evaluation Preparation.**

*Brief student.* “To your front are armored vehicles at varying (simulated) ranges. When I say ‘Begin,’ determine whether the targets are in range. Then you must accurately determine the engageability of all three targets. Do you have any questions?”

*Answer the student’s questions.* If the student still does not understand, say, “Do the best you can.”

**Performance Measures**

GO NO-GO NO-GO NO-GO

Determine if the target is—

1. In range or out of range, engageable or not.

**Target Number 1, \_\_, \_\_.**

2. In range or out of range, engageable or not.

**Target Number 2, \_\_, \_\_.**

3. In range or out of range, engageable or not.

**Target Number 3, \_\_, \_\_.**

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**Performance Measures**

- c. Turned, cautiously felt near the sight battery, and found it to be cold.
- d. Released the sight and moved it forward; reseated the sight on the round.
- e. Acquired the target, said, "I am continuing my mission" or squeezed the trigger.
- f. When sight again failed to fire, rechecked battery, which was still cold.
- g. Removed sight; placed round a safe distance away.
- h. Got a new round and said, "I will continue the mission."
- i. When round again failed to fire, rechecked battery, which was still cold.
- j. Replaced the sight.

GO NO-GO NO-GO NO-GO

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**Signature Block**

INSTRUCTOR'S SIGNATURE: \_\_\_\_\_

STUDENT'S INITIALS: GO \_\_\_\_\_

NO-GO \_\_\_\_\_

NO-GO \_\_\_\_\_

NO-GO \_\_\_\_\_

**TRAINING OBJECTIVE 7  
PREPARE AN ANTIARMOR RANGE CARD**

**Conditions.** Given the standard range card and squad leader's briefing containing all pertinent data.

**Standards.** Within 15 minutes, complete the antiarmor range card. Include all data from the squad leader's briefing, marginal data, a scaled-down sketch of the terrain, and the data section.

**Evaluation Preparation.**

*Brief student.* "When I say 'Begin,' you will have 15 minutes to complete the antiarmor range card, including the data section and terrain sketch. Do you have any questions?"

*Answer the student's questions. If the student still does not understand, say, "Do the best you can."*

### Performance Measures

GO NO-GO NO-GO NO-GO

1. **Marginal information.**
  - a. Unit designation.
  - b. Magnetic north.
2. **Terrain sketch.**
  - a. Left limit.
  - b. Right limit.
  - c. Maximum engagement line.
  - d. Terrain features.
  - e. Dead space.
  - f. Target reference point(s).
  - g. Gunner reference point.
3. **Data section.**
  - a. Position.
  - b. Date.
  - c. Weapon symbol.
  - d. Meter increments.
  - e. Item numbers.
  - f. Direction.
  - g. Range.
  - h. Description.
  - i. Remarks.
4. **Two copies of the range card.**

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### Signature Block

INSTRUCTOR'S SIGNATURE: \_\_\_\_\_

STUDENT'S INITIALS: GO \_\_\_\_\_

NO-GO \_\_\_\_\_

NO-GO \_\_\_\_\_

NO-GO \_\_\_\_\_

### TRAINING OBJECTIVE 8

### IDENTIFY THE SIX MAJOR COMPONENTS OF AN M47 FIGHTING POSITION

**Conditions.** Given a predrawn fighting position.

**Standards.** Within 10 minutes, correctly label the six main components of a fighting position.



Signature Block

INSTRUCTOR'S SIGNATURE: \_\_\_\_\_

STUDENT'S INITIALS: GO \_\_\_\_\_

NO-GO \_\_\_\_\_

NO-GO \_\_\_\_\_

NO-GO \_\_\_\_\_

TRAINING OBJECTIVE 9  
IDENTIFY ARMORED VEHICLES

**Conditions.** In a garrison or field environment, given armored vehicles visible in a tactical or simulated tactical setting, a Dragon daysight, and a simulated round of ammunition (FHT), prepared for firing.

**Standards.** Within two minutes, recognize 10 out of 10 vehicles as friendly or enemy.

Evaluation Preparation.

*Setup.* The basic combat vehicle identification training aid, GTA 17-2-13, shows multiple views of 30 friendly and enemy armored vehicles. These are the vehicles that every student should know. Show each student the pictures of any six enemy and any four friendly armored vehicles. Show each picture for 10 seconds.

*Brief student.* “I will show you each picture for 10 seconds. During that time, you must state whether the vehicle is friendly or enemy.”

*Answer the student’s questions.* If the student still does not understand, say, “Do the best you can.”

Performance Measures

Recognized 10 out of 10 armored vehicles as friendly or enemy.

GO	NO-GO	NO-GO	NO-GO

Signature Block

INSTRUCTOR'S SIGNATURE: \_\_\_\_\_

STUDENT'S INITIALS: GO \_\_\_\_\_

NO-GO \_\_\_\_\_

NO-GO \_\_\_\_\_

NO-GO \_\_\_\_\_

## TRAINING OBJECTIVE 10

### EXPLAIN EMERGENCY DESTRUCTION PROCEDURES

**Conditions.** Given a simulated situation in which capture is imminent, and the order to destroy the sight and rounds of ammunition.

**Standards.** Explain how to destroy Dragon components and ammunition.

### Evaluation Preparation.

*Brief student.* “When I say ‘begin,’ you must explain emergency destruction procedures for a Dragon. Do you have any questions?”

*Answer the student's questions.* If the student still does not understand, say, "Do the best you can."

## Performance Measures

**GO   NO-GO   NO-GO   NO-GO**

**NOTE:** Destruction priority:  
First the sight, then the round.

1. **Sight.**
  - a. Destroyed sight by mechanical means. Used an entrenching tool, axe, sledgehammer, or other appropriate item.
  - b. Destroyed by gunfire.
  - c. Destroyed by burning. Used flammable material or gasoline.
  - d. Destroyed by exploding. Used a double-primed explosive charge.
2. **Round.** Destroyed a round of ammunition by either—
  - a. *Burning it.* Used flammable material, thermite grenade, or gasoline.
  - b. *Exploding it.* Used a double-primed explosive charge. (Squad leader will prepare explosives.)
  - c. *Launching it.* Fired the missile, then drove over and crushed the expelled launcher.

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## Signature Block

INSTRUCTOR'S SIGNATURE: \_\_\_\_\_

STUDENT'S INITIALS: GO

NO-GO

NO-GO

NO-GO

**Conditions.** Given the Dragon sights and a round of ammunition (for all tasks, use the FHT instead of an actual round), M8 paper, M256 detector kit, M258A1 kit, hot, soapy water, lens tissue, camel's-hair brush, and ethyl alcohol.

### Evaluation Preparation.

*Answer the student's questions.* If the student still does not understand, say, "Do the best you can."

## Performance Measures

G-15

Performance Measures

- f. Used the M258A1 kit on parts the gunner needed to touch or that touched the gunner.
- g. Used normal cleaning procedures for the lenses.

GO	NO-GO	NO-GO	NO-GO

Signature Block

INSTRUCTOR'S SIGNATURE: \_\_\_\_\_

STUDENT'S INITIALS: GO \_\_\_\_\_  
NO-GO \_\_\_\_\_  
NO-GO \_\_\_\_\_  
NO-GO \_\_\_\_\_